

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/pera/

Weather Shield Manufacturing, Inc. One Weather Shield Plaza, P. O. Box 309 Medford, WI 54451–0309

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION:

Series "Legacy Lifeguard" 10'0" Aluminum Clad Outswing Wood Round Top French Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1509 rev. 'B1', titled "Legacy Lifeguard Alum Clad French Outswing Round Top Door", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 12/13/2006 and last revised on 11/01/2011, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LIMITATIONS:

- 1. Windows and ADA Threshold are NOT part of this approval.
- 2. Nail Fin anchors are part of frame shear screws and NOT an Alternate Option.
- 3. Maximum Design Pressure Rating of ± 60 psf for doors greater than 71¼" (Width) by 99" (Height).

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 09-0929.07 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.





NOA No. 11-1128.03 Expiration Date: April 26, 2012 Approval Date: January 19, 2012

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.

(Submitted under previous NOA's No.'s 07-0208.10 and 09-0929.07)

2. Drawing No. 1509 rev. 'B1', titled "Legacy Lifeguard Alum Clad French Outswing Round Top Door", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 12/13/2006 and last revised on 11/01/2011, signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked—up drawings and installation diagram of an outswing French door, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTC–WI09003** dated 03/04/2009, signed and sealed by Thomas Allan Kolden, P. E.

(Submitted under previous NOA No. 09-0929.07)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an outswing French door, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTC-WI05008**, dated 01/09/2006, signed and sealed by Thomas Allan Kolden, P. E.

(Submitted under previous NOA No. 07-0208.10)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, dated 02/01/07 and updated 11/02/11 complying with FBC-2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P. E.
- 2. Glazing complies with ASTM E1300-98

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-1128.03

Expiration Date: April 26, 2012 Approval Date: January 19, 2012

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 09-0127.13 issued to Solutia Inc. for their "Solutia Interlayers for Laminated Glass" dated 03/04/2009, expiring on 03/04/2014.

F. STATEMENTS

- 1. Statement letter of conformance and compliance with the FBC-2007, FBC-2010 and ANSI/AAMA/NWWDA 101/ I.S. 2-97, dated November 02, 2011, signed and sealed by Warren W. Schaefer, P. E.
- 2. Statement letter of no financial interest and independence, dated November 02, 2011, signed and sealed by Warren W. Schaefer, P. E.
- 3. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated August 24, 2009, signed and sealed by Warren W. Schaefer, P. E. (Submitted under previous NOA No. 09-0929.07)
- 4. Laboratory compliance letter for Test Report No. **TCTC-WI09003**, issued by Stork Twin City Testing Corporation, dated March 04, 2009, signed and sealed by Thomas Allan Kolden, P. E.

(Submitted under previous NOA No. 09-0929.07)

5. Laboratory compliance letter for Test Report No. TCTC-WI05008, issued by Stork Twin City Testing Corporation, dated January 09, 2006, signed and sealed by Thomas Allan Kolden, P. E.

(Submitted under previous NOA No. 07-0208.10)

G. OTHERS

1. Notice of Acceptance No. 09–0929.07, issued to Weather Shield Manufacturing, Inc. for their Series "Legacy Lifeguard Aluminum Clad Outswing Wood French Door – L.M.I.", approved on January 27, 2010 and expiring on April 26, 2012.

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-1128.03

Expiration Date: April 26, 2012 Approval Date: January 19, 2012

GENERAL NOTES: THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S). OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCALS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS. 5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE

8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE

WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.

OF Kd = 0.85 MAY BE APPLIED PER THE ASCE 7 STANDARD.

METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

NO. 6 X 5/8" SS FH WOOD SCREWS (6 EACH SIDE OF JOINT)

CORNER CONSTRUCTION

OPENING TYPE

(SUBSTRATE)

2X_ WOOD FRAME OR BUCK

(MIN. GR. 3 & G=0.55)

MIN. 1/8" THK A36 STEEL

2X_ WOOD FRAME OR BUCK

(MIN. GR. 3 & G=0.55)

MIN. 1/8" THK A36 STEEL

MIN. 1/8" THK 6063-T5 ALUM.

2X_ WOOD FRAME OR BUCK

(MIN. GR. 3 & G=0.55)

MIN. 1/8" THK A36 STEEL

MIN. 1/8" THK 6063-T5 ALUM.

MIN. 2500 PSI CONCRETE

CORNER SURFACES

WITH A GASKET & DOW 1166 SILICONE SEALANT.

LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR

9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT.

OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER

10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS. THAT COME INTO CONTACT WITH

11. All WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR

ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED

CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE

CLAD CORNERS: CLADDING IS MITER CUT & SECURED WITH A 1/4" BEAD OF SILICONE.

MIN. 1/8" THK 6063-T5 ALUM. NO. 10 SELF TAP/DRILLING SCREW

ALLOWABLE DESIGN PRESSURE

+60/-70 PSF

FRAME ANCHOR REQUIREMENTS TABLE

FRAME/HINGE/STRIKE SHEAR SCREWS

NAILING FIN

SILL SCREWS

FRAME/CLIP/NAIL FIN TO

OPENING FASTENER TYPE

NO. 10 SMS OR WOOD SCREW

NO. 10 SELF TAP/DRILLING SCREW

NO. 8 X 1 1/2" SMS

NO. 8 SELF TAP/DRILLING SCREW

NO. 8 SELF TAP/DRILLING SCREW

NO. 10 SMS OR WOOD SCREW

NO. 10 SELF TAP/DRILLING SCREW

NO. 10 SELF TAP/DRILLING SCREW

(1) 3/16" CONCRETE SCREW

FULL

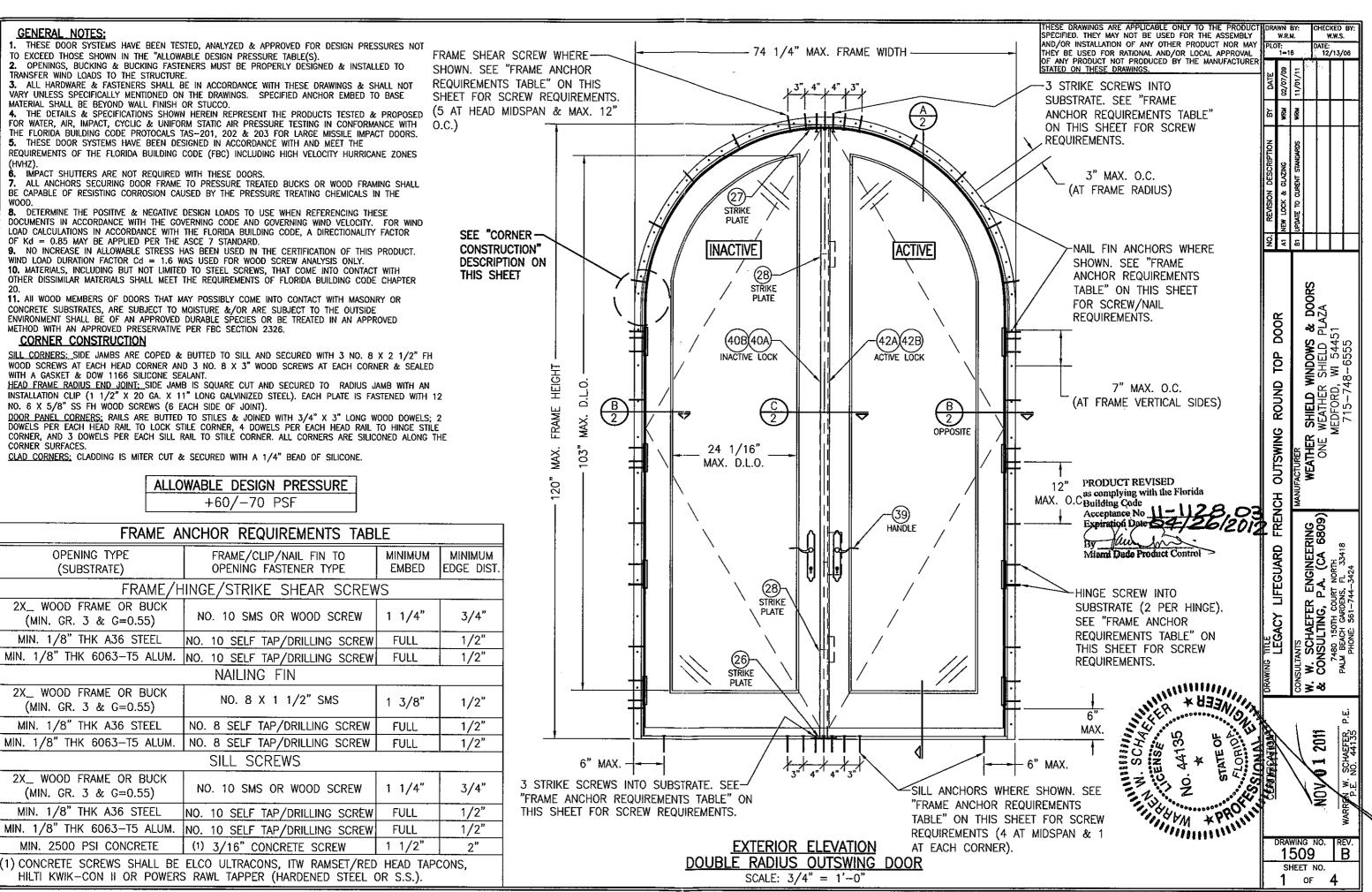
FULL

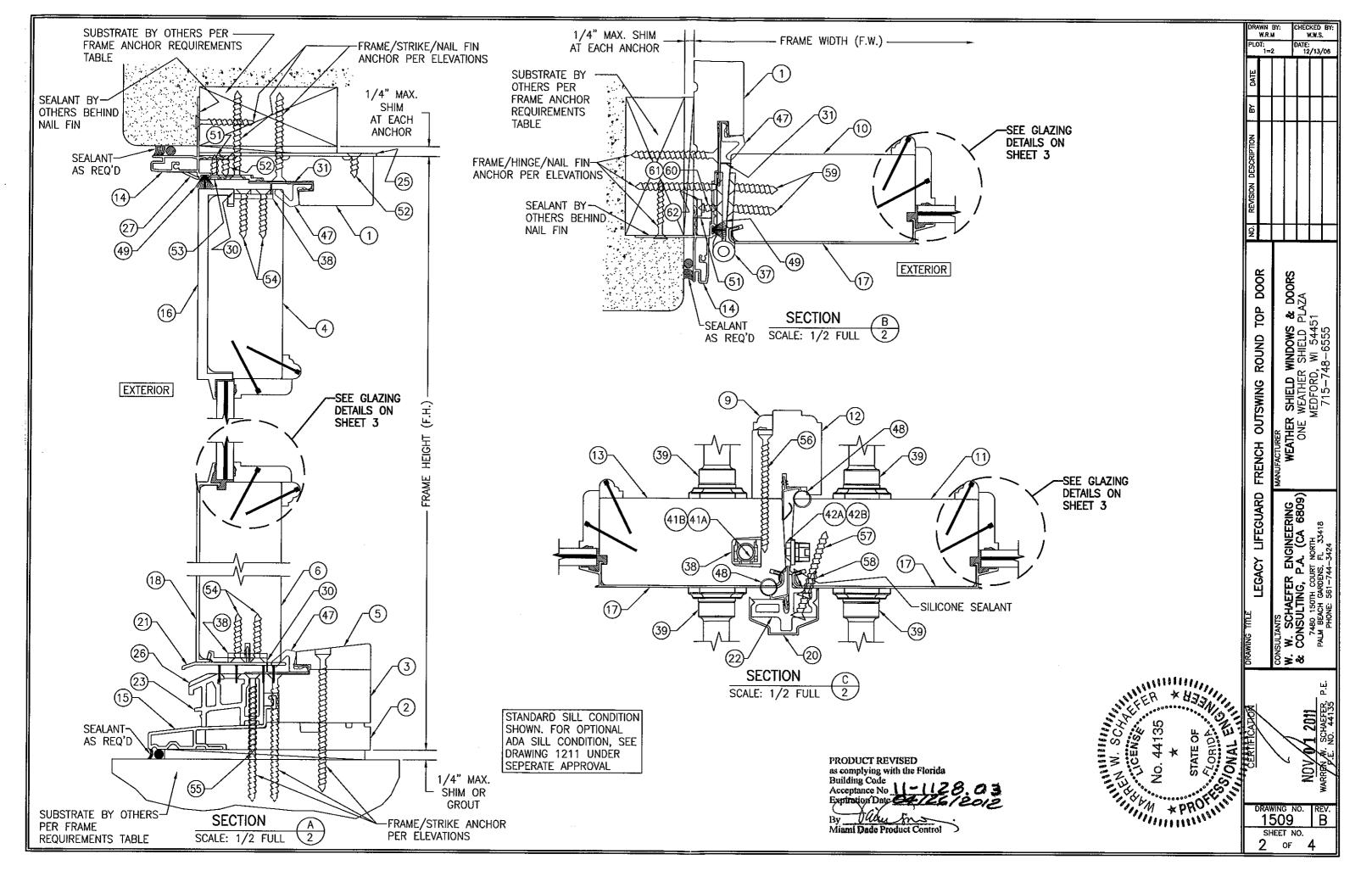
FULL

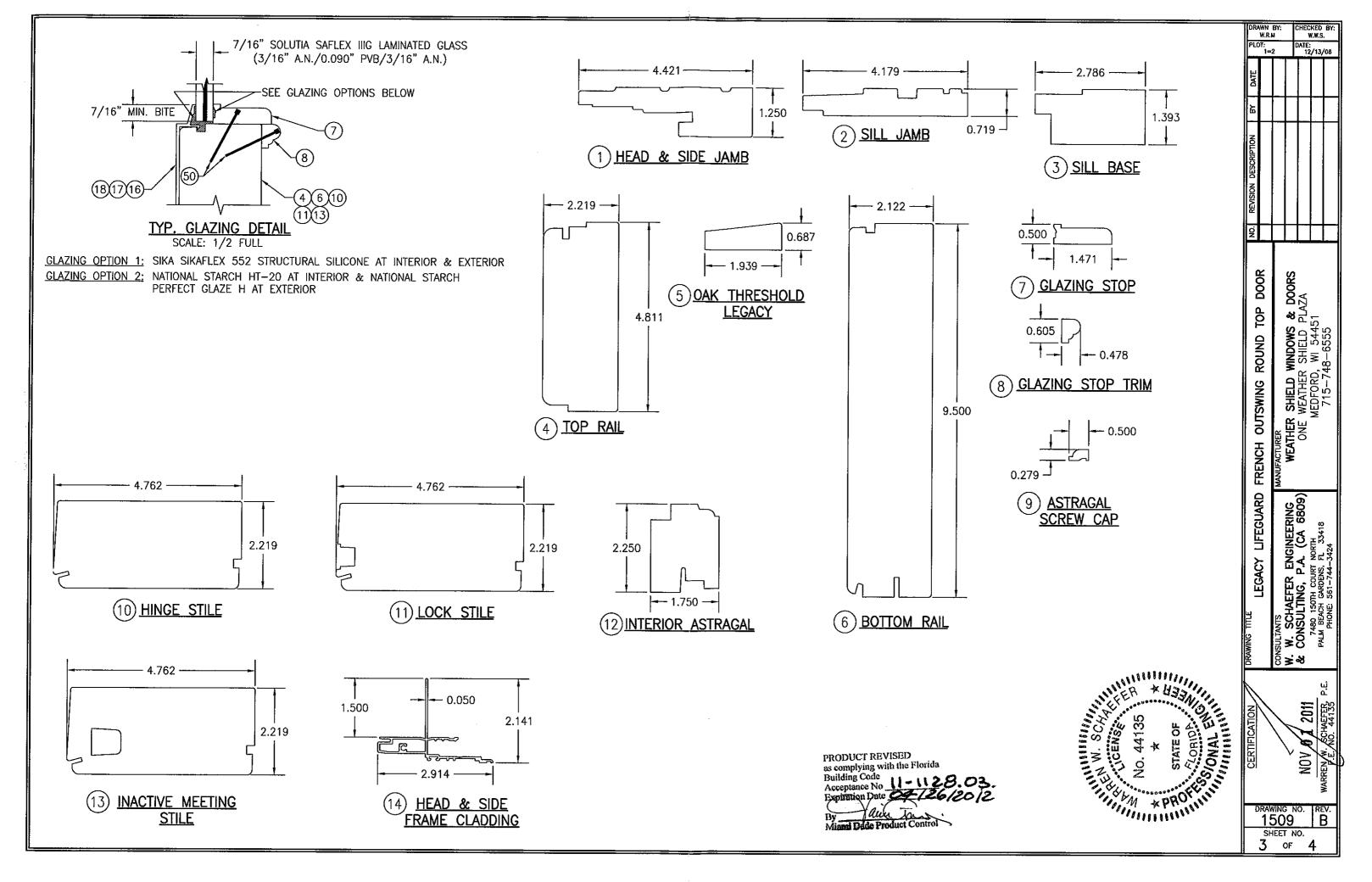
FULL

FULL

FULL







TEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
	PARTS	
1	HEAD & SIDE JAMB	* WOOD
2	SILL JAMB	* WOOD
3	SILL BASE	* WOOD
4	TOP RAIL	* WOOD (PINE CORE BLOCK)
5	OAK THRESHOLD LEGACY	OAK
6	BOTTOM RAIL	* WOOD (PINE CORE BLOCK)
7	GLAZING STOP	* WOOD
8	GLAZING STOP TRIM	* WOOD
9	ASTRAGAL SCREW CAP	* WOOD
10	HINGE STILE	* WOOD (PINE WITH LVL CORE)
11	LOCK STILE	* WOOD (PINE WITH LVL CORE)
12	INTERIOR ASTRAGAL	* WOOD (FINE WITH LVE CORE)
13	INACTIVE MEETING STILE	
14	HEAD & SIDE FRAME CLADDING	* WOOD (PINEWITH LVL CORE)
15	SILL JAMB CLADDING	6063-T5 OR 6063-T4 ALUMINUM
		6063-T5 ALUMINUM
16	TOP RAIL CLADDING	6063-T5 ALUMINUM
17	STILE CLADDING	6063T5 ALUMINUM
18	BOTTOM RAIL CLADDING	6063-T5 ALUMINUM
	EXTERIOR ASTRAGAL COVER	6063-T5 ALUMINUM
21	BOTTOM SWEEP	VINYL
22	ASTRAGAL BASE	6063-T5 ALUMINUM
	THRESHOLD	VINYL
	GROMMET	PVC
25	HEAD JAMB BACKER PLATE (10.125" X 4.50" X .080")	STAINLESS STEEL
	SILL STRIKE PLATE (4.000" X 2.817" X .125")	304 S.S.
27	HEAD STRIKE PLATE (5.634" X 1.762" X .060")	304 S.S.
28	TONGUE STIKE PLATE (5.000" X 1.000" X .059")	304 S.S.
30	PANEL CORNER REINFORCEMENT BAR (10.100" X 1.000" X .120)") 304 S.S 1 PER PANEL CORNER
31	WEATHER STRIP CARRIER	VINYL
	HARDWARE	
37	4 X 4 ADJUSTABLE HINGE	HOPPE
	10 MM SHOOT BOLT GUIDE	NYLON 6, 30% GLASS FIBER
39	HANDLE SET	AS REQUIRED TO OPERATE DOOR LOCKS
	2-POINT CONCEALED INACTIVE PANEL LOCK SET	HOPPE
	2-POINT CONCEALED INACTIVE PANEL LOCK SET	ASHLAND XP45
	.38 TOP & BOTTOM EXTENSION ROD CONCEALED	HOPPE NORTH AMERICA HLS SERIES
	.38 TOP & BOTTOM EXTENSION ROD CONCEALED	ASHLAND XP45
	5-POINT ACTIVE PANEL LOCK ASSY, W/SHOOT BOLTS	HOPPE NORTH AMERICA HLS 9000 SERIES
	5-POINT ACTIVE PANEL LOCK ASSY, W/SHOOT BOLTS	ASHLAND XP45
120	SEALS & SEALANTS	ACTION APPO
47	HEAD, SILL & SIDE TFT WEATHERSTRIP	FOAM
	INTEK ARLOC WEATHERSTRIP	VINYL
	AMESBURY WEATHERSTRIP	PILE
73		PILE
50	FASTENERS F16 V 1 1/2" PRAD NAII	2" FROM ENDS 8. 40" 1114 0.0
50 51	F16 X 1 1/2" BRAD NAIL 3/16" X 1/2' STAPLE	2" FROM ENDS & 12" MAX. O.C.
		3" FROM ENDS & 20" MAX. O.C.
	NO. 7 X 5/8" FH WOOD SCREW	8 PER HEAD JAMB BACKER PLATE
	NO. 7 X 5/8" FH WOOD SCREW	2 PER HEAD STRIKE PLATE
	NO. 8 X 1 1/4" WOOD SCREW	4 PER CORNER REINFORCEMENT PLATE
	NO. 8 X 1 1/2" FH SMS SCREW	2 PER STRIKE PLATE
	NO. 8 X 3" FH WOOD SCREW	2" FROM ASTRAGAL ENDS & 6" O.C.
	NO. 8 X 2" FH DRYWALL SCREW	1 1/2" & 2 1/2" FROM PANEL ENDS
	NO. 8 X 1 1/4" WOOD SCREW	10" FROM ASTRAGAL ENDS & 8" O.C.
	NO. 8 X 1 1/4" WOOD SCREW	4 PER HINGE
	NO. 8 X 5/8" FH S.S. WOOD SCREW	2 PER HINGE (BOTTOM 2 HINGES)
61	NO. 8-32 X 5/8" FH S.S. MACHINE SCREW NO. 8-32 "T-NUT"	2 PER HINGE (TOP 2 HINGES)

^{*} WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECT.

